

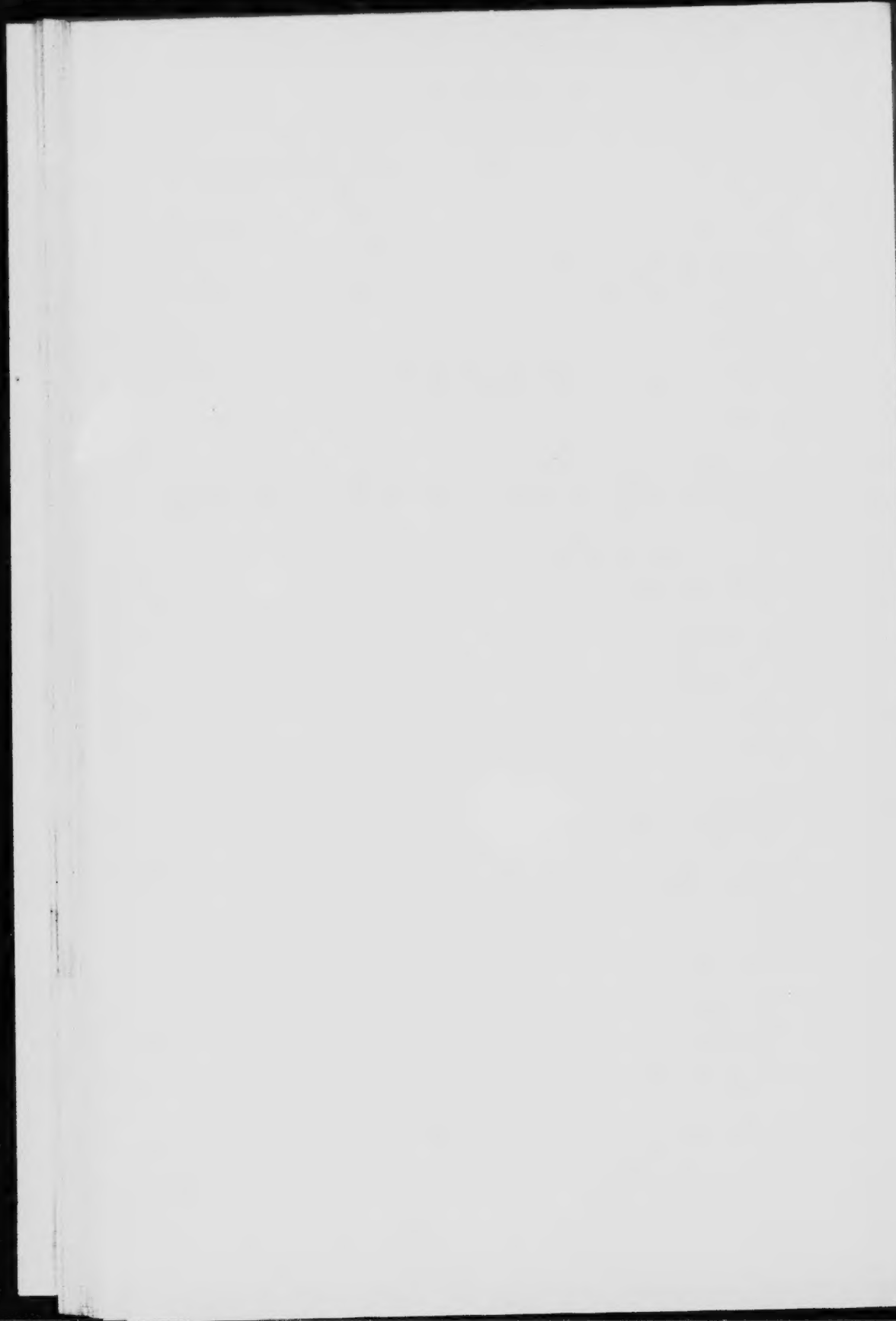
O. H. M. S.

W. J. Gerald
Deputy Minister.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA.

BULLETIN No. 153

GLACIAL ACETIC ACID



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OTTAWA, April 28, 1908.

W. J. GERALD, Esq.,
Deputy Minister of Inland Revenue.

SIR,—I beg to hand you a report upon 45 samples of Glacial Acetic Acid, purchased in retail drug shops, throughout the Dominion, in February of this year.

Of this number, 34 samples contain 95 per cent or more by weight, of real acetic acid, and these I have adjudged as genuine. The British Pharmacopœia, as well as that of the United States, requires Glacial Acetic Acid to contain 99 per cent of true acid. Exposure to moist air, from the frequent unstoppering of bottles, in the ordinary business of dispensing, may account for a dilution of a few units per cent, and I have considered it reasonable to regard as genuine all samples reaching 95 per cent strength.

Eleven (11) samples are decidedly below the standard strength, two samples falling to about 50 per cent.

It is to be remarked that the British Pharmacopœia, in addition to Glacial Acetic Acid, describes an Acetic Acid of 33 per cent strength, and a diluted Acetic Acid of 4·27 per cent.

I would respectfully recommend the publication of this report as Bulletin No. 153.

I have the honour to be, Sir,
Your most obedient servant,

A. MCGILL,
Chief Analyst.

INSPECTION OF GLACIAL ACETIC ACID—BULLETIN 153.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by Vendor.	Inspector's Report.	RESULTS OF ANALYSIS.		Remarks and Opinion of the Chief Analyst.
				Quantity.	Per Cent.			Percent acetic acid.	Specific Gravity of Sample.	

DISTRICT OF NOVA SCOTIA—R. J. WAUGH, INSPECTOR.

1908.

Feb. 13	Glacial acetic acid.	33601	National Drug Co., Halifax, N.S.	30 oz.	30	Unknown	Said to be manufactured in England	96.12	1.058	Genuine.
" 18	"	33602	Brown Bros. & Co., Halifax, N.S.	8 "	40	National Drug Co., Halifax, N.S.	"	97.64	1.060	"
" 21	"	33603	A. C. Bell, New Glasgow, N.S.	8 "	25	"	"	97.07	1.057	"

DISTRICT OF PRINCE EDWARD ISLAND—T. MOORE, INSPECTOR.

Feb. 15	Glacial acetic acid.	31219	A. W. Reddin, Charlottetown, N.S.	8 oz.	30	National Drug Co., Halifax, N.S.	"	96.00	1.050	Genuine.
" 15	"	31220	McDonald & McKinnon, Charlottetown, N.S.	8 "	35	Lyman Sons & Co., Montreal	"	96.51	1.060	"
" 18	"	31221	A. W. P. Gourlie, Summer side.	8 "	30	Lyman, Knox & Co., Montreal	"	73.03	1.068	Below B. P. strength.

DISTRICT OF NEW BRUNSWICK—J. C. FERGUSON, INSPECTOR.

Feb. 12	Glacial acetic acid.	29638	Nat. Drug & Chem. Co., Ltd., Mill St., St. John, N.B.	8 oz.	72	Not known	Imported from Germany.	98.29	1.056	Genuine.
" 21	"	29639	Fairweather Brothers, Main St., Moncton, N.B.	8 oz.	30	Nat. Drug & Chem. Co., Ltd., St. John, N.B.	"	98.29	1.053	"
Mar. 7	"	29640	Hunt & McDonald, Fredericton, N.B.	8 "	30	Lyman Sons & Co., Montreal	"	93.96	1.060	"

DISTRICT OF QUEBEC E. BELAND, INSPECTOR.

Feb. 10	Glacial acetic acid.	28379	A. E. Michon, Montmagny..	8 oz.	25 T. E. Livernois, Quebec.....	78 29	1 073 Below B. P. strength.
" 12	"	28381	E. O. Cloutier, Rivière du Loup en Bas.	8 "	50 W. Brunette & Cie, Quebec.	76 40	1 072 "
" 12	"	28386	Dr. T. Kane, Rivière du Loup 8 oz. Station, P.Q.	8 oz.	40 Lyman Sons & Co.....	96 56	1 062 Genuine.

DISTRICT OF ST. HYACINTHE—J. C. ROULEAU, INSPECTOR.

Feb. 14	Glacial acetic acid.	27945	D. Belleau, Arthabaskaville..	8 oz.	30 Dr. Massicotte, Victoriaville. Taken from a 1 gal. bottle marked "Acid Acetic Glacial."	97 56	1 064 Genuine.
" 20	"	27946	A. E. DuBerger, Thetford Mines.	8 "	40 Lyman, Knox & Co., Montreal	94 46	1 073 "
" 24	"	27947	Pharmacie Ostigny, St. Hyacinthe.	8 "	20 Lyman Sons & Co., Montreal	97 36	1 060 "

DISTRICT OF MONTREAL—J. J. COSTIGAN, INSPECTOR.

Feb. 13	Glacial acetic acid.	32566	Henri Lantot, 820 St. Lawrence St., Montreal.	8 oz.	35 Not known.....	96 77	1 054 Genuine.
" 14	"	32567	Leo G. Ryan, 545 Notre Dame West, Montreal.	8 "	40 " "	98 96	1 061 "
" 18	"	32568	Dr. J. E. St. George, Valley field, P.Q.	8 "	30 Lyman Sons & Co., Montreal	81 13	1 076 Below B. P. strength.

DISTRICT OF OTTAWA—J. A. RICEY, INSPECTOR.

Feb. 21	Glacial Acetic Acid	34115	E. M. Ahern, Ottawa.	8 oz.	45 Lyman Sons & Co., Montreal	97 55	1 061 Genuine.
" 21	"		Campbell, Ottawa.	8 "	35 Ottawa Drug Co., Ottawa. Taken from bottle marked "Acid Acetic Glacial 99% Lyman Sons and Co., Mfg. Chemists, Montreal. Labeled Bottle. Labeled Glacial Acetic Acid. Vendor said it was taken from bottle labeled 99%.	98 11	1 "
" 21	"		J. L. Rochester, Ltd., Ottawa	8 "	45 Nat. Drug Co., Ottawa.	97 72	1 066 "

INSPECTION OF GLACIAL ACETIC ACID—BULLETIN 153.

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				Quantity.	Cents.			Per cent. Acetic Acid.	Specific Gravity of Sample.	Per cent. Acetic Acid.	

DISTRICT OF KINGSTON—J. HOGAN, INSPECTOR.

1908.

Feb. 10	Glacial Acetic Acid	33061	W. W. Gibson, King St., Kingston.	8 oz.		40 H. Skinner & Co., Kingston.		96.98	1.063	Genuine.	
" 10	"	33062	H. Wade, King St., Kingston.	8 "		40 Not known.		98.20	1.054	"	
" 10	"	33063	H. Skinner, Princess St., Kingston.	8 "		40 Nat. Drug Co., Montreal.		97.08	1.063	"	

DISTRICT OF TORONTO—H. J. DAGER, INSPECTOR.

Feb. 27	Glacial Acetic Acid	33027	Walker & Abbs, 296 St. Paul St., St. Catharines.	8 oz.		25 Dom. Drug Co., Hamilton.	Sample taken from dispensing room.	95.39	1.063	Genuine.	
" 29	"	33028	H. W. Pew, 60 Erie Ave., Niagara Falls.	8 "		40 " "	"	97.08	1.060	"	
Mar. 3	"	33029	Chas. Wilson, 339 Bathurst St., Toronto.	8 "		40 Lyman Knox & Clarkson, Toronto.	Sample taken from stock bottle on shelf.	97.25	1.055	"	

DISTRICT OF LONDON—T. KIDD, INSPECTOR.

Feb. 13	Glacial Acetic Acid	30470	E. J. Naamith, Druggist, Stratford.	8 oz.		70 J. Winer, Hamilton.		96.56	1.053	Genuine.	
" 25	"	30482	Frank H. Smith & Co., Drug- gist, St. Marys.	8 "		80 London Drug Co., London, Ont.		51.25	1.036	Below R. P. strength.	
" 11	"	30488	Walter McKillop, Wingham.	8 "		80 Lyman Bros. & Co., Toronto.		73.11	1.071	"	

DISTRICT OF WINDSOR—J. TALBOT, INSPECTOR.

Feb. 18	Acetic Acid.	34563 H. O. Fleming	34	40 London Drug Co.	95 39	1 065 Genuine.
" 19	"	34511 G. H. Gunn & Co., Chatham.	8 "	30 Winer & Co., Hamilton.	96 29	1 056
" 20	"	34517 Anderson & Nelles, London.	8 "	25 National Drug Co.	50 14	1 065 Below R. P. strength. May have been sold as Acetic Acid, not as Glacial Acetic Acid.

DISTRICT OF MANITOBA—A. C. LARIVIERE, INSPECTOR.

Feb. 20	Glacial Acetic Acid	25871 W. J. Carson, Killarney, Man.	8 oz.	40 Not given	67 71	1 061 Below R. P. strength
" 24	"	25872 Glenboro Drug Store, Glenboro, Man.	8 "	35 The Role Drug Co., Winnipeg, Man.	79 13	1 076
" 28	"	25873 The Pulford Leonard Drug Co., Carman, Man.	8 "	35 The Pulford Leonard Drug Co., Winnipeg, Man.	80 02	1 076

DISTRICT OF CALGARY—R. W. FLETCHER, INSPECTOR.

Feb. 21	Glacial Acetic Acid	28886 O. H. Bott, Calgary.	8 oz.	80 Martin Ball Wynne, Winnipeg, Man.	95 93	1 067 Genuine.
" 21	"	28887 Jas. Findlay & Co., Calgary	8 "	80 Unknown	95 30	1 064
" 21	"	28888 W. Maclean, Calgary	8 "	80 Dom. Drug Co., Hamilton	97 38	1 063

DISTRICT OF VANCOUVER—J. F. POWER, INSPECTOR.

Feb. 17	Glacial Acetic Acid	34221 J. W. Morrow, Cor. Hastings and Seymour Sts., Vancouver, B.C.	9 oz.	38 Henderson Bros., Ltd., Vancouver, B.C.	90 01	1 065 Genuine.
" 17	"	34222 Woods Pharmacy, Cor. Hastings and Seymour Sts., Vancouver, B.C.	9 "	45 " "	98 58	1 050
" 17	"	34223 Wm. Harrison Co., Ltd., Cor. Granville and Pender Sts., Vancouver, B.C.	9 "	50 " " 80%	81 79	1 067 Below R. P. strength.

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				Quantity.	Cents.			Percent acetic acid.	Specific gravity of Sample.		
DISTRICT OF VICTORIA—D. O. SULLIVAN, INSPECTOR.											
Feb. 28	Glacial Acetic Acid	34883	D. E. Campbell, Victoria, B.C.	8 oz.	30	Lyman & Son, Montreal, Que.		97.08	1.060	Genuine.	
" 28	"	34886	W. Jackson & Co., Victoria, B.C.	8 "	50	Henderson Bros., Victoria, B.C.		96.59	1.056	"	
" 28	"	34889	Geo. A. Fraser, Victoria, B.C.	8 "	30	" "		96.09	1.049	"	